

Li, Ruixiang

12/5/79

To:
Subject:

STIC-Biotech/ChemLib
Sequence search of Application NO: 09/826,509

Please do a standard search on SEQ ID NO: 449 against interference amino acid databases.

Thank you very much!

Ruixiang Li
GAU 1646
REM 4D75
Mail Box 4C70
(571) 272-0875

78733

5/10/04
1-AT
QSP

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 7, 2004, 13:17:25 ; Search time 22 Seconds
(without alignments)
1032.519 Million cell updates/sec

Title: US-09-826-509-449

Perfect score: 2292

Sequence: 1 MVPEPTANSTPAWGAGPP.....FNIDPAEPLRPHLGIPTN 440

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

* Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	557	24.3	468	2	US-08-390-000A-7
2	557	24.3	477	1	US-08-087-772A-16
3	554	24.2	405	1	US-08-351-473B-2
4	553.5	24.1	365	2	US-08-467-559B-9
5	552.5	24.1	400	1	US-08-351-473B-5
6	552.5	24.1	400	3	US-08-450-962-4
7	552.5	24.1	400	3	US-08-450-962-6
8	552.5	24.1	400	4	US-08-848-631-4
9	552.5	24.1	400	4	US-08-848-631-6
10	552.5	24.1	446	1	US-07-626-618A-21
11	552.5	24.1	446	1	US-08-333-977-21
12	551.5	24.1	400	1	US-07-916-901-6
13	551.5	24.1	400	1	US-07-783-602C-1
14	551.5	24.1	400	1	US-08-351-473B-4
15	551	24.0	477	2	US-08-444-734A-4
16	547.5	23.9	446	2	US-07-969-267B-4
17	547.5	23.9	446	4	US-09-168-510-4
18	546	23.8	388	1	US-08-087-772A-2
19	538.5	23.5	472	1	US-08-194-338-6
20	533.5	23.3	487	1	US-08-444-734A-2
21	533	23.3	408	1	US-08-351-473B-3
22	531	23.2	402	1	US-08-444-734A-6
23	531	23.2	402	1	US-08-087-772A-15
24	531	23.2	408	1	US-07-916-901-2
25	531	23.2	408	3	US-08-450-962-2
26	531	23.2	408	3	US-08-450-962-5
27	531	23.2	408	4	US-08-848-631-2

28 531 23.2 408 4 US-08-848-631-5
29 524.5 22.9 446 1 US-07-626-618A-22
30 524.5 22.9 446 1 US-08-333-977-22
31 523 22.8 400 2 US-08-103-170-9
32 515.5 22.5 483 1 US-08-194-338-7
33 508 22.2 559 2 US-08-406-855A-20
34 508 22.2 559 3 US-09-206-899-20
35 507.5 22.1 560 4 US-09-688-415-8
36 503 21.9 572 1 US-08-334-698-2
37 503 21.9 572 1 US-08-228-932-2
38 503 21.9 572 1 US-08-488-339-2
39 503 21.9 572 1 US-08-722-001-30
40 503 21.9 572 1 US-08-406-855A-2
41 503 21.9 572 2 US-08-722-190-2
42 503 21.9 572 3 US-08-244-354-2
43 503 21.9 572 3 US-09-206-899-2
44 503 21.9 572 4 US-09-444-783-2
45 503 21.9 572 4 US-09-688-415-2

ALIGNMENTS

RESULT 1
US-08-390-000A-7
; Sequence 7, Application US/083900000A
; Patent No. 5985583
; GENERAL INFORMATION:
; APPLICANT: Sealcon, Stuart C.
; TITLE OF INVENTION: Cloning and Expression of
; TITLE OF INVENTION: Gonadotropin-Releasing Hormone Receptor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,000A
; FILING DATE: 17-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6923-052
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-390-000A-7

Query Match 24.3%; Score 557; DB 2; Length 468;
Best Local Similarity 33.8%; Pred. No. 2.1e-34;
Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;
Qy 1 MVPEPTANSTPAWGAGPPAGGSGVAAALCVVIALTAANSLLIALICTQPALRNT 60
Db 24 LVPASPPASLLPPASESPFELSQQMTAGMGLLVLLVAGNVLLIVVAIAKTPLQL 83
Qy 61 SNFFLVSLFTSLMVLVMPFAMLNALYGRWYLARGCLLMTAFDMCCSASILNCLI 120

Db 84 TNLFMSLASADLVGGLLVVFFGATIVVMGRWEYGSFFCELWTSVDVLCVTASITLCVI 143
QY 121 SLDRYLILSLPLRYKLRMTPLRALALVGLAASLAALASFLPLLW--HELGHARPPV-- 176
Db 144 ALDRYLALTSFPRYQSULLTRARAGLVCTVMAISALVSFLPLMHWRASDEARCYND 203
QY 177 PQCRLLASLFPVLVAGSLTFPLPSGAICTFYCRILLAAKQAVQVAS-----LTTGMASQ 232
Db 204 PKCCDFVTRAYAIASSVVSFVPLCIMAFAVYLRVFRQAQVKKIDSCERRFLGGPARP 263
QY 233 ASET-----LQVPRTRPGVESADS-----RRLATGSKKALKKLTGIL 273
Db 264 PPSPPSPVPAPAPPFGPPRPAATAAATAPLANGRAGKRRLVALREQKALK---TLGII 320
QY 274 LGMFVFTWLPFFVANIQAQV-CDICISPLGDFVLTWLGVCNSTMNPITY--PLFMRDFKR 329
Db 321 MGVTLCWLPFLANVKAHRELVPDLRFVFNWLGYSANFPIIYCRSP----DFRK 376
QY 330 ALGRFLPCPRCPRERQASLASPSLRTSHSGRPRGLSLOQVLPPLP-PDSDSDDSGGG 388
Db 377 AFQGLCCARRAARRRHATHGDRPRASGCLARPG-----PPSPGAASDDDDDDVVGA 429
QY 389 SSGRL 394
Db 430 TPPARL 435

RESULT 2
US-08-087-772A-16
; Sequence 16, Application US/0808772A
; Patent No. 5691155
; GENERAL INFORMATION:
; APPLICANT: Nahmias, Clara
; APPLICANT: Emorine, Jean L.
; TITLE OF INVENTION: Strosberg, Donny A.
; TITLE OF INVENTION: Nucleotide Sequences Encoding the Murine
; TITLE OF INVENTION: Beta3-Adrenergic Receptor and Their Applications
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell, Seitzer, Park & Gibson
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: No. 5691155th Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/087,772A
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Linker, Raymond O.
; REGISTRATION NUMBER: 26,419
; REFERENCE/DOCKET NUMBER: 3339-195
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 477 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-087-772A-16

Query Match 24.3%; Score 557; DB 1; Length 477;
Best Local Similarity 33.8%; Pred. No. 2.1e-34;

Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;
QY 1 MYPEGPSTANTPAGAPGPGSGWAAALCVVIALTAANSLITALICTOPALENT 60
Db 33 LVPAPSPASLPPASESPEPLSQQTAGNGLMLALIVLIVAGNVLVIAIAKTPRLQTL 92
QY 61 SNFFLVSLFTSDLMVGLVMPAMNLYALGRWVLARGLCJLWTAFAFVNMCCSASINLCII 120
Db 93 TNLFMSLASADLVGGLLVVFFGATIVVMGRWEYGSFFCELWTSVDVLCVTASITLCVI 152
QY 121 SLDRYLILSLPLRYKLRMTPLRALALVGLAASLAALASFLPLLW--HELGHARPPV-- 176
Db 153 ALDRYLALTSFPRYQSULLTRARAGLVCTVMAISALVSFLPLMHWRASDEARCYND 212
QY 177 PQCRLLASLFPVLVAGSLTFPLPSGAICTFYCRILLAAKQAVQVAS-----LTTGMASQ 232
Db 213 PKCCDFVTRAYAIASSVVSFVPLCIMAFAVYLRVFRQAQVKKIDSCERRFLGGPARP 272
QY 233 ASET-----LQVPRTRPGVESADS-----RRLATGSKKALKKLTGIL 273
Db 273 PPSPPSPVPAPAPPFGPPRPAATAAATAPLANGRAGKRRLVALREQKALK---TLGII 329
QY 274 LGMFVFTWLPFFVANIQAQV-CDICISPLGDFVLTWLGVCNSTMNPITY--PLFMRDFKR 329
Db 330 MGVTLCWLPFLANVKAHRELVPDLRFVFNWLGYSANFPIIYCRSP----DFRK 385
QY 330 ALGRFLPCPRCPRERQASLASPSLRTSHSGRPRGLSLOQVLPPLP-PDSDSDDSGGG 388
Db 386 AFQGLCCARRAARRRHATHGDRPRASGCLARPG-----PPSPGAASDDDDDDVVGA 438
QY 389 SSGRL 394
Db 439 TPPARL 444

RESULT 3
US-08-351-473B-2
; Sequence 2, Application US/08351473B
; Patent No. 5656440
; GENERAL INFORMATION:
; APPLICANT: LENZEN, GERLINDA
; APPLICANT: KAPOOR, ARCHANA
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE
; TITLE OF INVENTION: BOVINE BETA3-ADRENERGIC RECEPTOR AND THEIR APPLICATIONS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/351,473B
; FILING DATE: 21-FEB-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 93 04670
; FILING DATE: 21-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR94/00447
; FILING DATE: 21-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 6639-001-0X PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000

TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 405 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-351-473B-2

Query Match 24.2%; Score 554; DB 1; Length 405;
Best Local Similarity 33.6%; Pred. No. 3e-34;
Matches 143; Conservative 61; Mismatches 156; Indels 66; Gaps 13;

QY 1 MVPEPG-PTANSTPWAGAGPPSPAGSGGWAAALCVVIALTAANSLIALICTQPALRN 59
DB 11 LTPWPDPTLAPNTANASGLPGVFWAVALAGALLAVALATVGGNLLVIVAIARTPLQT 70
QY 60 TSNPFLVSLFTSLMVLVMPAMLNALYGRVWLAGLCLLWTAFDVMCCSASILNLCL 119
DB 71 MTNVFTSLATDLVGLLVVPPGATLALTGHWPLGTGCELWTSVDVLCVTASITLCA 130
QY 120 ISLDYLLILSPRYKRLMTPLRALALVLAWSLAALASPLLLQWHELG-----H 171
DB 131 LAVDRYLAVTNPLRYGALVTKREALAALVWVVSAAVSPATMSKWMRIGADAQAORCH 190
QY 172 ARPPVPGQRLASLPVLVAGSLTFPLPSGALCTFYCRILLAAARKQAVASLTGM-- 229
DB 191 SNPRC---CTFASNPALUSSVSFYLPLVLMFVAVFVATRQ-URLRRELRPP 246
QY 230 -----ASQAGSETLQVPRTPRGVESADSR--RLATKHSRKALKAKLTGLLGMFFV 279
DB 247 PEESPAPSRSGSGPLAGPCASPAGVPSYGRPARLLPLREHRLR---TLGLMGFTFL 303
QY 280 TWLPFFVANIVQAV--CDCISPLGLFDVLTWLYCNSMTNPIIY---PLFMRDFKRALGRF 334
DB 304 CWLPFFVNVVRAJGGSLSVSGPTFLALNMLGVANSFNPILIIYCRSPDFRSAPFRLLCRC 363
QY 335 LP-----CPRCFRERQASLSPLRTSHSGPRGLSLQVLPLPLPDSDSDS 386
DB 364 RPEBHAAASPAPRAS-----GAPTALTSPAGMQ-----PEELD----- 398
QY 387 GGSGGL 392
DB 399 GASCGL 404

RESULT 4
US-08-467-559B-9
Sequence 9, Application US/08467559B
Patent No. 5928890
GENERAL INFORMATION:
APPLICANT: LI, YI
TITLE OF INVENTION: HUMAN AMINE RECEPTOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERN, KESSLER, GOLDSTEIN AND FOX, P.L.L.C.
STREET: 1100 NEW YORK AVENUE, NW, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: UNITED STATES OF AMERICA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,559B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K

REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0840000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 365 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: protein
US-08-467-559B-9

Query Match 24.1%; Score 553.5; DB 2; Length 365;
Best Local Similarity 37.8%; Pred. No. 2.9e-34;
Matches 137; Conservative 56; Mismatches 134; Indels 35; Gaps 12;
QY 7 PTANSTPWAGAGPPSPAGSGGWAA--ALCVIALTAANSLIALICTQPALRNTSNF 63
DB 9 PPASLLPASEG--SAPLSQQWTAGMGLVALIVLVGNVIVVAIAKTPRLQTLNL 66
QY 64 FLVSLFTSLMVLVMPAMLNALYGRVWLAGLCLLWTAFDVMCCSASILNLCLISLD 123
DB 67 FIMSLASADLVMLGLLVVPPGATIIYVWGRMEYGSFFCELWTSVDVLCVTASITLCLVIALD 126
QY 124 RYLLTSLPRYKRLMTPLRALALVLAWSLAALASFLPLLLGW--HELGHARPPV--PGQ 179
DB 127 RYLAITSFPRYQSLLTRARALVCTVWALSALVSFLPILMHWWRASDEARRCVDNPKC 186
QY 180 CRLASLPVLVAGSLTFPLPSGALCTFYCRILLAAARKQAVQVAS----LTTGMSAQAS- 234
DB 187 CDFVTNRAIATASSVSVFVPLCTIMAFVLYLVFVFEAQVKKIDSCERRFLGSGPARPPSP 246
QY 235 ETLQVPRTPRGVESADSR-----RLATKHSRKALKAKLTGLLGMFFVTLPPFVA 287
DB 247 EFPSPGPPRPADSLANGRSKRPSRLVALUREQALK---TLGLMGVFTLCLWLPFLA 303
QY 288 NIVQAV--CDCISPLGLFDVLTWLYCNSMTNPIIY---PLFMRDFKRALGRFLPCR---C 340
DB 304 NVVKAHFDLVDPRLFVFFNMLGVANSFNPILIIYCRSP-----DFRKAFQRLCCARRAAC 359
QY 341 PR 342
DB 360 RR 361

RESULT 5
US-08-351-473B-5
Sequence 5, Application US/08351473B
Patent No. 5656440
GENERAL INFORMATION:
APPLICANT: LENZEN, GERLINDA
APPLICANT: KAPOOR, ARCHANA
TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MATER & NEUSTADT
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/351,473B
FILING DATE: 21-FEB-1995
CLASSIFICATION: 435

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 93 04670
; FILING DATE: 21-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR94/00447
; FILING DATE: 21-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 6639-001-0X PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 5:
; LENGTH: 400 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-351-473B-5

Query Match 24.1%; Score 552.5; DB 1; Length 400;
Best Local Similarity 35.1%; Pred. No. 3.9e-34;
Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

QY 5 PGPTANSTPA-WGAGP---PSAPGSG-----WVAALCVVIAL-TAAANSLIALICTQ 54
DB 3 PWFHRNGSLAWSDAPTLDPSAANTSLPGVFWAALAGALLATVGGNLLVIAIART 62
QY 55 PALRNTGNFFLVSLFTSDLMVGLVMPPEAMNLYGRWVLARGLCLLWTAFDVMCCSASI 114
DB 63 PRLOITNVFTSLAAADLVVGLLVMPFGATLTGHWPGLGTGCELWTSVDVLCVTASI 122
QY 115 LNLCLISDRYLLILSPRYKLRMTPLRALALVGLWLSAALASFLPLLGLWHELG---- 170
DB 123 ETLCALAVDRYLAVTNPLRYGLTKRRARAADVLMVIVSAVSPAFIMSQWVRVGADE 182
QY 171 ----HARPPVPGQCLLASLPVLVAGSLTFPLPSGAICFTYCRILLAAKQAVQVASLT 226
DB 183 AOECHSNPRC---CSFASNMFPYALLSSVSFYLPLVLMFYARFVFAKQR-HLLRRE 238
QY 227 TGMASQASSETLQVPTPRP-----GVESADSR--RLATKHSRKALKAKLTGLILL 274
DB 239 LGRFSPPEESPSPSPSPATGTPAAPDGVPPCGRRPARLLPLRHRALR---TLGLIM 295
QY 275 GMFFVTWLPFFVANIVQAVC--DCISPGLEFDVLTWLGVCNSTMPIIY---PLFMRDFKR 329
DB 296 GIFSLCWLPPFLANVRLALAGPSLVPSGVFTALNWLGYANSFNPVYICRSPDFRDAFR 355
QY 330 AL-----GRFLPCPRC---PRERQASLASPSLR--TSHSGRPP 362
DB 356 LLCYSGRGPRPEPRAVTFPASVPEARQSPPLNRFDEYEGARP 397

RESULT 6
US-08-450-962-4
; Sequence 4, Application US/08450962
; Patent No. 6274706
; GENERAL INFORMATION:
; APPLICANT: EMORINE, Laurent; MARULLO, Stefano;
; APPLICANT: STROSBURG, Donny
; TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND
; TITLE OF INVENTION: GENES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KECK, MAHIN & CATE
; STREET: P.O. BOX 06110
; CITY: CHICAGO
; STATE: ILLINOIS
; COUNTRY: U.S.A.
; ZIP: 60606-0110

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3-1/2" diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,962
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/117,829
; FILING DATE: 08-SEPT-1993
; APPLICATION NUMBER: 07/721,571
; FILING DATE: 25-MAY-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR89/00918
; FILING DATE: 25-JAN-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Fleit, Martin; Gollin, Michael A.
; REGISTRATION NUMBER: 16,900; 31,957
; REFERENCE/DOCKET NUMBER: 47078-042
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 789-3400
; TELEFAX: (202) 789-1158
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 residues
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: polypeptide
; DESCRIPTION:
US-08-450-962-4

Query Match 24.1%; Score 552.5; DB 3; Length 400;
Best Local Similarity 35.1%; Pred. No. 3.9e-34;
Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

QY 5 PGPTANSTPA-WGAGP---PSAPGSG-----WVAALCVVIAL-TAAANSLIALICTQ 54
DB 3 PWFHRNGSLAWSDAPTLDPSAANTSLPGVFWAALAGALLATVGGNLLVIAIART 62
QY 55 PALRNTGNFFLVSLFTSDLMVGLVMPPEAMNLYGRWVLARGLCLLWTAFDVMCCSASI 114
DB 63 PRLOITNVFTSLAAADLVVGLLVMPFGATLTGHWPGLGTGCELWTSVDVLCVTASI 122
QY 115 LNLCLISDRYLLILSPRYKLRMTPLRALALVGLWLSAALASFLPLLGLWHELG---- 170
DB 123 ETLCALAVDRYLAVTNPLRYGLTKRRARAADVLMVIVSAVSPAFIMSQWVRVGADE 182
QY 171 ----HARPPVPGQCLLASLPVLVAGSLTFPLPSGAICFTYCRILLAAKQAVQVASLT 226
DB 183 AOECHSNPRC---CSFASNMFPYALLSSVSFYLPLVLMFYARFVFAKQR-HLLRRE 238
QY 227 TGMASQASSETLQVPTPRP-----GVESADSR--RLATKHSRKALKAKLTGLILL 274
DB 239 LGRFSPPEESPSPSPSPATGTPAAPDGVPPCGRRPARLLPLRHRALR---TLGLIM 295
QY 275 GMFFVTWLPFFVANIVQAVC--DCISPGLEFDVLTWLGVCNSTMPIIY---PLFMRDFKR 329
DB 296 GIFSLCWLPPFLANVRLALAGPSLVPSGVFTALNWLGYANSFNPVYICRSPDFRDAFR 355
QY 330 AL-----GRFLPCPRC---PRERQASLASPSLR--TSHSGRPP 362
DB 356 LLCYSGRGPRPEPRAVTFPASVPEARQSPPLNRFDEYEGARP 397

RESULT 7
US-08-450-962-6
; Sequence 6, Application US/08450962
; Patent No. 6274706
; GENERAL INFORMATION:
; APPLICANT: EMORINE, Laurent; MARULLO, Stefano;
; APPLICANT: STROSBURG, Donny
```

TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND
TITLE OF INVENTION: GENES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: KECK, MAHIN & CATE
STREET: P.O. BOX 06110
CITY: CHICAGO
STATE: ILLINOIS
COUNTRY: U.S.A.
ZIP: 60606-0110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3-1/2" diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,962
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,829
FILING DATE: 08-SEPT-1993
APPLICATION NUMBER: 07/721,571
FILING DATE: 25-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR89/00918
FILING DATE: 25-JAN-1989
ATTORNEY/AGENT INFORMATION:
NAME: Fleit, Martin; Gollin, Michael A.
REGISTRATION NUMBER: 16,900; 31,957
REFERENCE/DOCKET NUMBER: 47078-042
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 789-3400
TELEFAX: (202) 789-1158
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 400 residues
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: polypeptide
DESCRIPTION: polypeptide
US-08-450-962-6

Query Match 24.1%; Score 552.5; DB 3; Length 400;
Best Local Similarity 35.1%; Pred. No. 3.9e-34;
Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;
QY 5 PGPTANSTPA-WGAGP---PSAPGSG-----WAAALCVVIAL-TAAANSLILALICTQ 54
DB 3 PMPHNGSLALWSDAPTLDPAAANTSGLPVFWAAALAGALLATATVGNLLVIAIART 62
QY 55 PALRNTSNFVLVSFTSLMVLGVVMPVPPAMLNALYGRVWLARGCLLWTAFDVMCCSASI 114
DB 63 PRLOITNVFVTSLSAAADLVGLLVWPGATLALTGHWPGLGETGCELWTSVDVLCVTASI 122
QY 115 LNLCLISDRYLLIISPLRYKLRMTPLRALALVGNLSLAALASFLPLLGHHELG---- 170
DB 123 ETLCALAVDRYLAVTNPLRYGLTVTKRRARAADVLMVIVSAVSPAPIMSQWVRVGADE 182
QY 171 ---HARPPVPGQCRLLASLPFLVVASGLTFFLPSCAICFTYCRILLAARKQAVQVASLT 226
DB 193 AQECHNPRC---CSFASNMPYALLSSSVSYFLPLLVMFLFYARVFAVAKQR-HLLRE 238
QY 227 TQMASQASSETLQVPTPRP-----GVESADSR--RLATKHSRKALKAKITLIGILL 274
DB 239 LGRFSPESPPSPSPSPATGGTTPAADGVPVPCGRRPARLLPLREHRLR---TLGLIM 295
QY 275 GMFFVTWLPFFVANIVQAVC--DCISPLGLFDVLTWLGVCNSTMPPIIV---PLFMRDPKR 329
DB 296 GIFSLCNLPFFLVANVIRLAGSLVPSGVFIALNWLGVANAFNFIICRSPDFRDAFR 355
QY 330 AL----GRFLPCPRC---PRERQASLASPSLR--TSHSGPRP 362

DB 356 LLCYGGGRPERPRAVTPFPASPVEARQSPPLNRFDFYEGARP 397
RESULT 8
US-08-848-631-4
Sequence 4, Application US/08848631
Patent No. 6635442
GENERAL INFORMATION:
APPLICANT: EMORINE, Laurent; MARULLO, Stefano;
STROSBURG, Donny
TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND
MOUSE a3-ADRENERGIC RECEPTOR
GENES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: KECK, MAHIN & CATE
STREET: P.O. BOX 06110
CITY: CHICAGO
STATE: ILLINOIS
COUNTRY: U.S.A.
ZIP: 60606-0110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3-1/2" diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/848,631
FILING DATE: 08-Jun-1999
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/721,571
FILING DATE: 25-MAY-1990
APPLICATION NUMBER: PCT/FR89/00918
FILING DATE: 25-JAN-1989
ATTORNEY/AGENT INFORMATION:
NAME: Fleit, Martin; Gollin, Michael A.
REGISTRATION NUMBER: 16,900; 31,957
REFERENCE/DOCKET NUMBER: 47078-042
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 789-3400
TELEFAX: (202) 789-1158
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 400 residues
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: <Unknown>
DESCRIPTION: polypeptide
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-08-848-631-4

Query Match 24.1%; Score 552.5; DB 4; Length 400;
Best Local Similarity 35.1%; Pred. No. 3.9e-34;
Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;
QY 5 PGPTANSTPA-WGAGP---PSAPGSG-----WAAALCVVIAL-TAAANSLILALICTQ 54
DB 3 PMPHNGSLALWSDAPTLDPAAANTSGLPVFWAAALAGALLATATVGNLLVIAIART 62
QY 55 PALRNTSNFVLVSFTSLMVLGVVMPVPPAMLNALYGRVWLARGCLLWTAFDVMCCSASI 114
DB 63 PRLOITNVFVTSLSAAADLVGLLVWPGATLALTGHWPGLGETGCELWTSVDVLCVTASI 122
QY 115 LNLCLISDRYLLIISPLRYKLRMTPLRALALVGNLSLAALASFLPLLGHHELG---- 170
DB 123 ETLCALAVDRYLAVTNPLRYGLTVTKRRARAADVLMVIVSAVSPAPIMSQWVRVGADE 182
QY 171 ---HARPPVPGQCRLLASLPFLVVASGLTFFLPSCAICFTYCRILLAARKQAVQVASLT 226
DB 193 AQECHNPRC---CSFASNMPYALLSSSVSYFLPLLVMFLFYARVFAVAKQR-HLLRE 238
QY 227 TQMASQASSETLQVPTPRP-----GVESADSR--RLATKHSRKALKAKITLIGILL 274

Db 239 LGRFSPSPSPSPSPATGTPAAPDGPVPCRRPARLLPLREHRLR---TLGLIM 295
QY 275 GMFFVTWLPFFVANIVQAVC--DCISPGLEFVLTWLGVCNSTMNPILY---PLFMRDFKR 329
Db 296 GIFSICWLPFFLANVIRALAGSLVPSGVFTALNWLGVANSAFNPVICYKSPDFRDAFR 355
QY 330 AL---GRFLPCPRC---PRRQASLASPSLR--TSHSGPRP 362
Db 356 LLCYGGRGPEPRAVTFPASPVEARQSPPLNRFDGVEGARP 397

RESULT 9

US-08-848-631-6
; Sequence 6, Application US/08848631
; Patent No. 6635442
; GENERAL INFORMATION:
; APPLICANT: EMORINE, Laurent; MARULLO, Stefano;
; STROGEBERG, Donny
; TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND
; MOUSE a3-ADRENERGIC RECEPTOR
; GENES

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
ADDRESSEE: KECK, MAHIN & CATE
STREET: P.O. BOX 06110
CITY: CHICAGO
STATE: ILLINOIS
COUNTRY: U.S.A.
ZIP: 60606-0110
COMPUTER READABLE FORM:
MEDIUM TYPE: 3-1/2" diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/848,631
FILING DATE: 08-Jun-1999
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/721,571
FILING DATE: 25-MAY-1990
APPLICATION NUMBER: PCT/FR89/00918
FILING DATE: 25-JAN-1989

ATTORNEY/AGENT INFORMATION:

NAME: Fleit, Martin; Gollin, Michael A.
REGISTRATION NUMBER: 16,900; 31,957
REFERENCE/DOCKET NUMBER: 47078-042
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 789-3400
TELEFAX: (202) 789-1158

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 400 residues

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: <unknown>

DESCRIPTION: polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-08-848-631-6

Query Match 24.1%; Score 552.5; DB 4; Length 400;
Best Local Similarity 35.1%; Pred. No. 3.9e-34;
Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

QY 5 PPTANSPTA-WGAGP---PSAPGSG-----WRAALCVVIAL-TAAANSLILALICTQ 54

Db 3 PPHFRNGSLALMSDAPTLDPSSAANTSGLPVFWAAALAGALLATVGGNLLVIAIART 62

QY 55 PALRNTSPFLVSLFTSDLMVGLVYVPPAMLNALYGRVLRGLCLLWTAFTDVMCCSASI 114

Db 63 PRLOITITVFTVSLAADIWGLLVYVPPGATLALGHVPLGETGCELWTSVDVLCVTASI 122

QY 115 LNLCLISLDRYLLISPLRYKLRMTPLRALALVGLANSALASPLPILLGNWHELG---- 170

Db 123 ETLCALAVDRYLVANTPLRYGLTVTKRRARAVALVLIWIVSAVSPATMSQWVRVGADAE 182
QY 171 ----HARPPVPCQRLASLPVLVAGLTFLPSGAICFTYCRILLAAKQAVOVASIT 226
Db 183 AOECHSNPRC---CSFASNPYALLUSSVSFFLLPVLWLFVYARVFFVAKQR-HLLRRE 238
QY 227 TGMASQASLTQVPRTPRP-----GVESADSR--RLATKHSRKALKAKLTGLILL 274
Db 239 LGRFSPSPSPSPSPATGTPAAPDGPVPCRRPARLLPLREHRLR---TLGLIM 295
QY 275 GMFFVTWLPFFVANIVQAVC--DCISPGLEFVLTWLGVCNSTMNPILY---PLEMRDFKR 329
Db 296 GIFSICWLPFFLANVIRALAGSLVPSGVFTALNWLGVANSAFNPVICYKSPDFRDAFR 355
QY 330 AL---GRFLPCPRC---PRRQASLASPSLR--TSHSGPRP 362
Db 356 LLCYGGRGPEPRAVTFPASPVEARQSPPLNRFDGVEGARP 397

RESULT 10

US-07-626-618A-21
; Sequence 21, Application US/07626618A
; Patent No. 5422265
; GENERAL INFORMATION:

APPLICANT: Van Tol, Hubert H.M.

APPLICANT: Civelli, Olivier

TITLE OF INVENTION: A No. 5422265el Human Dopamine Receptor and Uses

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: Allegretti & Witcoff, Ltd.

STREET: 10 South Wacker Drive, Suite 3000

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/626,618A

FILING DATE: 7 DEC 1990

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5422265nan, Kevin E

REGISTRATION NUMBER: 35,303

REFERENCE/DOCKET NUMBER: 90,1092

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-715-1000

TELEFAX: 312-715-1234

TELEX: 810-221-8317

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 446 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

US-07-626-618A-21

Query Match 24.1%; Score 552.5; DB 1; Length 446;
Best Local Similarity 31.2%; Pred. No. 4.3e-34;
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

QY 21 SAPGGSGWY-----AAALCVVIALTAANSLILALICTQFALRN-TSNFPLVSL 68

Db 7 SAMDGTGLVVERDFSVRIILTACFLSLILSLTLLGNTLVCAAVIRFHLRSKVTNFFVISL 66

QY 69 FTSDLMVGLVYVPPAMLNALYGRVLRGLCLLWTAFTDVMCCSASILNCLISLDRYLLI 128

Db 67 AVSDLLVAVVMPKVAEIAIGFWPFG-SFCNIWVAFIMCSTASILNLCVISVDRYWAI 125

129 LSPURYKLRMTPLRALALVLAWSLAALASFLPLLGHGHELGHARPPVPG-----178
126 SSPFRYERKMTPKAAFTLLISVAWMTLSLISFIPVQLSWHK--AKPTSPDGNATSLAET 182
179 --OCELLASLPFLVAGSLTFELPSGAICFTYCRILLAAKQAVQVASL--TTGMAQOASE 235
183 INDCDSLSLTYAISSSVISFYIPVAMIVTYTRIYAQKQIRRAALERAHAVHAKNCQ 242
236 TLQVPRTPRGVSADSRRLATKHSRKALKAKUTLGLLGMFFVFWLPPFFVANIQAACD 295
243 TTTGNGKPVCSQPESSFKMSFKRETQVLK--TSLVINGVFCVCCWLPFFILNCILPFCG 299
296 -----CISGLFDVLTWLGVCNSTWNPPIIYPLFMRDPRKALGRFLPCPR-CPREROA- 346
300 SGETQPCIDSNFTDVFVFWGANSLSNPIIY-AFNADFRKAFSTLLGCVRLCPATNNAI 358
347 -----SLASPSLRTSHSGPRGSLQOVLPLPLPPDSDSDAGSGSSGLRLTAQLLPL 401
359 ETVSINNNGAAMFSSHHEPRGSIKECNLVLIPIHVAVGSSDLKKEEAAGIARPLEKLS 418
402 GEATQDPLPTRAANAANFNIDPAEPLRP-----HP 434
419 -----ALSVILDYDTDVSLKIQITQNGQHP 445

RESULT 11

US-08-333-977-21
; Sequence 21, Application US/08333977
; Patent No. 5594108
; GENERAL INFORMATION:
; APPLICANT: Van Tol, Hubert H.M.
; APPLICANT: Civelli, Olivier
; TITLE OF INVENTION: A No. 5594108e1 Human Dopamine Receptor and Uses
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Allegrretti & Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/333,977
; FILING DATE: 03-NOV-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/626,618
; FILING DATE: 7 DEC 1990
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5594108nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 90,1092
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 810-221-8317
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 446 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
US-08-333-977-21

Query Match 24.1%; Score 552.5; DB 1; Length 446;
Best Local Similarity 31.2%; Fred. No. 4.3e-34;
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

21 SAPGSGWV-----AAALCVVIALTAANSLLIALICTQPALRN-TSFFLVSL 68
7 SAMDGTGLWVERDSVRILTACFLSLLILSLTLLGNTLVCAAVIRFHLRSKVTNFFVISL 66
69 FTSDLAVGLVWPPAMLANALGRVLAEGLCGLLWTAEDVMCCSASILNCLISLDYLLI 128
67 AVSDULVAVLVNPKVAVIAAGFWFFG-SFCNIWVAFDIMCTASILNCLVISVDYWAI 125
129 LSPLEYKLRMTPLRALALVLAWSLAALASFLPLLGHGHELGHARPPVPG-----178
126 SSPFRYERKMTPKAAFTLLISVAWMTLSLISFIPVQLSWHK--AKPTSPDGNATSLAET 182
179 --OCELLASLPFLVAGSLTFELPSGAICFTYCRILLAAKQAVQVASL--TTGMAQOASE 235
183 INDCDSLSLTYAISSSVISFYIPVAMIVTYTRIYAQKQIRRAALERAHAVHAKNCQ 242
236 TLQVPRTPRGVSADSRRLATKHSRKALKAKUTLGLLGMFFVFWLPPFFVANIQAACD 295
243 TTTGNGKPVCSQPESSFKMSFKRETQVLK--TSLVINGVFCVCCWLPFFILNCILPFCG 299
296 -----CISGLFDVLTWLGVCNSTWNPPIIYPLFMRDPRKALGRFLPCPR-CPREROA- 346
300 SGETQPCIDSNFTDVFVFWGANSLSNPIIY-AFNADFRKAFSTLLGCVRLCPATNNAI 358
347 -----SLASPSLRTSHSGPRGSLQOVLPLPLPPDSDSDAGSGSSGLRLTAQLLPL 401
359 ETVSINNNGAAMFSSHHEPRGSIKECNLVLIPIHVAVGSSDLKKEEAAGIARPLEKLS 418
402 GEATQDPLPTRAANAANFNIDPAEPLRP-----HP 434
419 -----ALSVILDYDTDVSLKIQITQNGQHP 445

RESULT 12

US-07-916-901-6
; Sequence 6, Application US/07916901
; Patent No. 5364772
; GENERAL INFORMATION:
; APPLICANT: Granneman, James G.
; APPLICANT: Labners, Kristine N.
; APPLICANT: Rao, Donald D.
; TITLE OF INVENTION: @ @3-ADRENERGIC RECEPTOR PROTEIN AND DNA
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: REISING, ETHINGTON, BARNARD, PERRY &
; STREET: 201 W. Big Beaver - Ste. 400; P.O. Box 4390
; CITY: Troy
; STATE: Michigan
; COUNTRY: USA
; ZIP: 48099
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/916,901
; FILING DATE: 19920720
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kohn, Kenneth I.
; REGISTRATION NUMBER: 30,955
; REFERENCE/DOCKET NUMBER: P-324 (WSU)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (313) 689-3554
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear

MOLECULE TYPE: protein
US-07-916-901-6

Query Match 24.1%; Score 551.5; DB 1; Length 400;
Best Local Similarity 35.3%; Pred. No. 4.6e-34;
Matches 142; Conservative 61; Mismatches 148; Indels 51; Gaps 15;

QY 5 PGPTANSTPA-WGAGP---PSAPGGSG-----WVAALCVVIAL-TAAANSLILALICTQ 54
DB 3 PWPBKNGSLAFWSDAFTLDPSSAANTSGLPGVPAALAGALLATVGGNLLVITAIART 62
QY 55 PALRNTSNFFLVLSFTSDLMVGLVMPMPAMNLYGRWVLARGLCILWTAFDVMCCSASI 114
DB 63 PRLOITINVFVTSLATADLVGLLVMPGATLALTGHPLGATGCELTWSVDVLCVTASI 122
QY 115 LNLCLISDRYLLILSPRYKLRMTPLRALALVGAWSLAALASFLPLLGHWELG---- 170
DB 123 ETLCALAVDRYLAVTNPLRYGLTVTKRRARAAYVLWIVSATVSPAFINSQWVRVGADAE 182
QY 171 ---HARPPVPGQCRLLASLPFVLVAGSLTFFLPSPGAICTFYCRILLAAARKQAVQVSLT 226
DB 183 AQECHSNPRC---CSPASNMPYALLSSVSFYLPLLVMLFYARVFAVAKQR-RLRRE 238
QY 227 TGMASQASSETLOVPRTRP-----GVESADSR--RLATKHSRKALKAKLTIGILL 274
DB 239 LGRFPPEESPRSPSRSPATVGTPTASDGVPSGCRPARLLPLGEHRLR---TLGLIM 295
QY 275 GMFFVTWLPFFVANIVQAVC--DCISPGLEDLVTLWGYCNSMTNPIIY---PLFMRDPKR 329
DB 296 GIFSLCWLPFFLANVLRALVGPLSLVPSGVFIALNWLGYANSFNLIIYCRSPDFRDAFR 355
QY 330 AL-----GRFLPCPRC---PRERQASLASPSLR--TSHSGRPP 362
DB 356 LLCYGRGPBEPVRVTFPASPVASRQNSPLNRFDDGYEGERP 397

RESULT 13

US-07-783-602C-1

Sequence 1, Application US/07783602C

Patent No: 5418160

GENERAL INFORMATION:

APPLICANT: J. Craig Venter et al

TITLE OF INVENTION: A PAT CELL SPECIFIC a-ADRENERGIC

TITLE OF INVENTION: RECEPTOR

NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lowe, Price, Leblanc & Becker

STREET: Suite 300, 99 Canal Center Plaza

CITY: Alexandria

STATE: Virginia

COUNTRY: USA

ZIP: 22314

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: DOS Text File

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/783.602C

FILING DATE: 19911101

CLASSIFICATION: 436

ATTORNEY/AGENT INFORMATION:

NAME: J.G. Mullins

REGISTRATION NUMBER: 33073

REFERENCE/DOCKET NUMBER: 717-098

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703 684 1111

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 400

TYPE: AMINO ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Polypeptide
US-07-783-602C-1

Query Match 24.1%; Score 551.5; DB 1; Length 400;
Best Local Similarity 35.8%; Pred. No. 4.6e-34;
Matches 144; Conservative 61; Mismatches 146; Indels 51; Gaps 15;

QY 5 PGPTANSTPA-WGAGP---PSAPGGSG-----WVAALCVVIAL-TAAANSLILALICTQ 54
DB 3 PWPBKNGSLAFWSDAFTLDPSSAANTSGLPGVPAALAGALLATVGGNLLVITAIART 62
QY 55 PALRNTSNFFLVLSFTSDLMVGLVMPMPAMNLYGRWVLARGLCILWTAFDVMCCSASI 114
DB 63 PRLOITINVFVTSLATADLVGLLVMPGATLALTGHPLGATGCELTWSVDVLCVTASI 122
QY 115 LNLCLISDRYLLILSPRYKLRMTPLRALALVGAWSLAALASFLPLLGHWELG---- 170
DB 123 ETLCALAVDRYLAVTNPLRYGLTVTKRRARAAYVLWIVSATVSPAFINSQWVRVGADAE 182
QY 171 ---HARPPVPGQCRLLASLPFVLVAGSLTFFLPSPGAICTFYCRILLAAARKQAVQV--- 222
DB 183 AQECHSNPRC---CSPASNMPYALLSSVSFYLPLLVMLFYARVFAVAKQR-FVREL 239
QY 223 -----ASLTGMASQASSETLOVPRTRPAPGVESADSR--RLATKHSRKALKAKLTIGILL 274
DB 240 LGRFPPEESPRSPSRSPATVGTPTASDGVPSGCRPARLLPLGEHRLR---TLGLIM 295
QY 275 GMFFVTWLPFFVANIVQAVC--DCISPGLEDLVTLWGYCNSMTNPIIY---PLFMRDPKR 329
DB 296 GIFSLCWLPFFLANVLRALVGPLSLVPSGVFIALNWLGYANSFNLIIYCRSPDFRDAFR 355
QY 330 AL-----GRFLPCPRC---PRERQASLASPSLR--TSHSGRPP 362
DB 356 LLCYGRGPBEPVRVTFPASPVASRQNSPLNRFDDGYEGERP 397

RESULT 14

US-08-351-473B-4

Sequence 4, Application US/08351473B

Patent No. 5656440

GENERAL INFORMATION:

APPLICANT: LENZEN, GERLINDA

APPLICANT: KAPOOR, ARCHANA

TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE

TITLE OF INVENTION: BOVINE BETA3-ADRENERGIC RECEPTOR AND THEIR APPLICATIONS

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400

CITY: ARLINGTON

STATE: VIRGINIA

COUNTRY: USA

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/351,473B

FILING DATE: 21-FEB-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 93 04670

FILING DATE: 21-APR-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/FR94/00447

FILING DATE: 21-APR-1994

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, NORMAN F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 6639-001-0X PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 413-3000
 TELEFAX: (703) 413-2220
 TELEX: 248855 OPAT UR
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-351-473B-4

Query Match 24.1%; Score 551.5; DB 1; Length 400;
 Best Local Similarity 35.1%; Pred. No. 4.6e-34;
 Matches 141; Conservative 62; Mismatches 148; Indels 51; Gaps 15;

QY 5 PGPTANSTPA-WGAGP---PSAPGGSG-----WVAALCVVIAL-TAAANSLILALICTQ 54
 DB 3 PPHKNGSLAFWSDATLTDSANTSGLPGVWAAALAGALLATVGGNLLVITAIART 62
 QY 55 PALRNTSNFLVSLFTSDLMVGLVWMPAMNLYGRWVLARGCLLLTAFDVMCCSASI 114
 DB 63 PRLOTITNVFVSLATADLVGLLVMPGATLITGHWPLGATGCELWTSVDVLCVTASI 122
 QY 115 LNLCLISLDYRLLILSPRYKRLMTPLRALVLGWSLAALASFLPLLGHWELG---- 170
 DB 123 ETLCALAVDRYLAIVNPLRYGLTVTKRRARAIVLVIVSATVSPAPIMSQWRVGDAAE 182
 QY 171 ----HARPPVPGQCRLLASLPFVLVAGSLTFFLPSCAICTYCRILLAAKQAVVASLT 226
 DB 183 AQECHSNPRC---CSPASNMPYALLSSVSFVPLLVMLFVVARVFAVAKRQ-RLLRRE 238
 QY 227 TGMASQASSETLQVPRTPR-----GVESADSR--RLATKHSRKALKKLTIGILL 274
 DB 239 LGRFPPEESPRSPRSFSPATVGTPTASDGVPSGCRPARLLPLGHEHRLR---TIGLIM 295
 QY 275 GMEFFVTLPPFVANIQAOC--DCISPGFLDVLTLWLYCNSWTNPIIY---PLEMRDPKR 329
 DB 296 GIFSLCWLPPFLANVIRALVGPLSVSGVFIALNWLGYANSAPNLIYCRSPDFRDAFR 355
 QY 330 AL-----GRFLPCPRC---PREROASLPSLR--TSHSGPRP 362
 DB 356 LLCYGGRGPEEPVRVTFPASPVPASRQNSPLNRFDCYGERP 397

RESULT 15
 US-08-444-734A-4
 Sequence 4, Application US/08444734A
 Patent No. 5610282
 GENERAL INFORMATION:
 APPLICANT: Sibley, David R.
 APPLICANT: Monsma, Frederick J.
 APPLICANT: Mahan, Lawrence C.
 APPLICANT: McVittie, Loris D.
 TITLE OF INVENTION: cDNA encoding the rat D1 dopamine
 receptor linked to adenylyl cyclase activation and
 TITLE OF INVENTION: expression of the receptor protein in plasmid-transfected
 cell lines
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Knobbe, Martens, Olson and Bear
 STREET: 620 Newport Center Drive, Sixteenth Floor
 CITY: Newport Beach
 STATE: CA
 COUNTRY: USA
 ZIP: 92660
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/444,734A

FILING DATE:
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/029,917
 FILING DATE: 03-MAR-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/548,714
 FILING DATE: 06-JUL-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Altman, Daniel E.
 REGISTRATION NUMBER: 34,115
 REFERENCE/DOCKET NUMBER: NIH065.001FW1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (714) 760-0404
 TELEFAX: (714) 760-9502
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 477 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 FRAGMENT TYPE: internal
 US-08-444-734A-4

Query Match 24.0%; Score 551; DB 1; Length 477;
 Best Local Similarity 33.8%; Pred. No. 6.1e-34;
 Matches 144; Conservative 66; Mismatches 170; Indels 46; Gaps 11;

QY 1 MVPEPGTANSTPAWGAGPSPAPGGSGWVAALCVVIALTAANSLILALICTQPALRNT 60
 DB 33 LVPAASPASLLPPASESPFLSQOQTAGMGLMALTELLIVAGNVLVIAIAKTPRLQTL 92
 QY 61 SNFFVLVSFTSDLMVGLVWMPAMNLYGRWVLARGCLLLTAFDVMCCSASITNLCI 120
 DB 93 TNLIMSLSADLVGMLLVVFPFGATVVGWRWEGSFCELWTSVDVLCVTASITLCVI 152
 QY 121 SLDRYLLILSPRYKRLMTPLRALVLGWSLAALASFLPLLGLW--HELGHARPPV-- 176
 DB 153 ALDRYLATISPFYQSLTTRARARGLVCTVMAISALVSFLFILMHWRAESDEARRCYND 212
 QY 177 PGQCRLLASLPFVLVAGSLTFFLPSCAICTYCRILLAAKQAVOVAS----LTTGMASQ 232
 DB 213 PKCDDFTNRAYAIASVVSFYPLCINAFYLRVFRAGQVKKIDSCERRFLGGPARP 272
 QY 233 ASET-----LQVPTPTREFVESADS-----RRLATKHSRKALKKLTIGIL 273
 DB 273 PPSPPSPVPAPAPPPGPPPPAAAAAATAPLANGRAGKRPPSRLVALREQALK--TLGII 329
 QY 274 LGMEFFVTLPPFVANIQAOC--DCISPGFLDVLTLWLYCNSWTNPIIY---PLEMRDPKR 329
 DB 330 MGVEFTLCWLPPFLANVIRALVGPLSVSGVFIALNWLGYANSAPNLIYCRSP----DFRK 385
 QY 330 ALGRFLPCPRCPRERQASLPSLRTHSGRPRGLSLQVLPFLFP--PDSDSDSDSGSGG 388
 DB 386 AFQGLLCCARRAARRRHATHGDRPRASGCLARPG-----PPSPGAASDDDDDDVVGA 438
 QY 389 SSGRLR 394
 DB 439 TFPARL 444

Search completed: May 7, 2004, 13:21:09
 Job time : 24 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 7, 2004, 13:20:05 ; Search time 48 Seconds
(without alignments)
2544.362 Million cell updates/sec

Title: US-09-826-509-449
Perfect score: 2292
Sequence: 1 MVPEPGTANSTPAWGAGPP.....FNIDPAEPLRPHLPIPTN 440

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1140673 seqs, 277566755 residues

Total number of hits satisfying chosen parameters: 1140673

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
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- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep:*
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- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep:*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	2292	100.0	440 11	US-09-826-509-449 Sequence 449, App
2	2287	99.8	440 14	US-10-225-567A-20 Sequence 20, Appl
3	2287	99.8	440 14	US-10-345-680-41 Sequence 41, Appl
4	1899.5	82.9	437 9	US-09-829-631A-8 Sequence 8, Appl
5	1768.5	77.2	439 9	US-09-829-631A-13 Sequence 13, Appl
6	1387	60.5	291 9	US-09-829-631A-10 Sequence 10, Appl
7	557	24.3	477 14	US-10-225-567A-50 Sequence 50, Appl
8	557	24.3	477 15	US-10-295-027-716 Sequence 716, Appl
9	557	24.3	477 15	US-10-295-027-885 Sequence 885, App
10	553.5	24.1	365 12	US-09-888-745-9 Sequence 9, Appl
11	552.5	24.1	400 9	US-09-895-211-4 Sequence 4, Appl
12	552.5	24.1	400 9	US-09-895-211-6 Sequence 6, Appl
13	552.5	24.1	446 14	US-10-225-567A-98 Sequence 98, Appl
14	552.5	24.1	446 14	US-10-299-642-2 Sequence 2, Appl
15	552.5	24.1	446 14	US-10-299-642-4 Sequence 4, Appl

16	552.5	24.1	446 14	US-10-299-642-6	Sequence 6, Appl
17	552.5	24.1	446 15	US-10-292-798-628	Sequence 628, App
18	551.5	24.1	446 11	US-09-826-509-487	Sequence 487, App
19	548.5	23.9	446 14	US-10-299-642-16	Sequence 16, Appl
20	547.5	23.9	446 14	US-10-277-078-4	Sequence 4, Appl
21	538.5	23.5	446 14	US-10-299-642-32	Sequence 32, Appl
22	535.5	23.4	446 12	US-10-092-771-8	Sequence 8, Appl
23	535	23.3	445 14	US-10-299-642-28	Sequence 28, Appl
24	533.5	23.3	446 14	US-10-299-642-22	Sequence 22, Appl
25	531.5	23.2	446 12	US-10-205-331-4	Sequence 4, Appl
26	531.5	23.2	446 14	US-10-299-642-20	Sequence 20, Appl
27	531	23.2	408 9	US-09-895-211-5	Sequence 5, Appl
28	531	23.2	408 14	US-10-225-567A-54	Sequence 54, Appl
29	531	23.2	408 15	US-10-295-027-691	Sequence 691, App
30	530.5	23.1	446 14	US-10-299-642-30	Sequence 30, Appl
31	528.5	23.1	463 12	US-10-092-771-5	Sequence 5, Appl
32	523.5	22.8	391 10	US-09-992-238-25	Sequence 25, Appl
33	523.5	22.8	391 12	US-10-092-771-4	Sequence 4, Appl
34	523.5	22.8	391 15	US-10-436-715-53	Sequence 53, Appl
35	520	22.7	408 9	US-09-895-211-2	Sequence 2, Appl
36	515.5	22.5	382 9	US-09-993-844-5	Sequence 5, Appl
37	512.5	22.4	146 9	US-09-829-631A-11	Sequence 11, Appl
38	511.5	22.3	445 12	US-10-092-771-7	Sequence 7, Appl
39	508.5	22.2	394 9	US-09-993-844-7	Sequence 7, Appl
40	507.5	22.1	560 14	US-10-238-129-8	Sequence 8, Appl
41	507.5	22.1	560 14	US-10-238-667-8	Sequence 8, Appl
42	505.5	22.1	562 10	US-09-992-238-14	Sequence 14, Appl
43	503	21.9	572 10	US-09-992-238-13	Sequence 13, Appl
44	503	21.9	572 14	US-10-185-991-2	Sequence 2, Appl
45	503	21.9	572 14	US-10-238-129-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1

US-09-826-509-449
; Sequence 449, Application US/09826509
; Publication No. US20030204073A1
; GENERAL INFORMATION:
; APPLICANT: Lehmann-Bruinsma, Karin
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: No. US20030204073A1-Endogenous, Constitutively Activated Known
; FILE REFERENCE: AREN-207
; CURRENT APPLICATION NUMBER: US/09/826,509
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 60/195,747
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 589
; SOFTWARE: PatentIn Version 2.1
; SEQ ID NO 449
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-826-509-449

Query Match 100.0%; Score 2292; DB 11; Length 440;
Best Local Similarity 100.0%; Pred. No. 5.2e-177;
Matches 440; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MVPEPGTANSTPAWGAGPPSAPGSGWVAALCVVIALTAANSLIALICTOPALENT 60
DB 1 MVPEPGTANSTPAWGAGPPSAPGSGWVAALCVVIALTAANSLIALICTOPALENT 60
QY 61 SNFFVLSFTSGLMGLVMPAMNLYGRWVARGLCLLWTAFDVNCCSASINLCII 120
DB 61 SNFFVLSFTSGLMGLVMPAMNLYGRWVARGLCLLWTAFDVNCCSASINLCII 120
QY 121 SLDRYLLILSLRYKLRMTPLRALALVLGANSLAALASFTLLLGWHELGHARPEVPOQC 180

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Db 121 SLDYLLILSPRYKRLMTPLRALALVLAWSLAALASFLPLLGHGELHARPPVPGQC 180
Qy 181 RLLASLPVLVAGSLTFPLPSGAICFTYCRILLAAKQAVQVVASLTGMSQASSETLQVP 240
Db 181 RLLASLPVLVAGSLTFPLPSGAICFTYCRILLAAKQAVQVVASLTGMSQASSETLQVP 240
Qy 241 RTRPGVESADSRRLATKHSRKALKAKLTGILGMEFFVTWLPFFVANIVQAVCDICSPG 300
Db 241 RTRPGVESADSRRLATKHSRKALKAKLTGILGMEFFVTWLPFFVANIVQAVCDICSPG 300
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Db 301 LFDVLTWLYCNSMTNPIIYPLFMRDKRALGRFLPCPCRCRERQASLASPSLRTSHSGP 360
Qy 361 RPLSLQOVLPLPLPPDSDDSDAGSGSSGLRLTAQLLLPGEATODPPLPTRAANAANVF 420
Db 361 RPLSLQOVLPLPLPPDSDDSDAGSGSSGLRLTAQLLLPGEATODPPLPTRAANAANVF 420
Qy 421 FNIDPAEPRLPHPLGIPTN 440
Db 421 FNIDPAEPRLPHPLGIPTN 440

RESULT 2
US-10-225-567A-20
; Sequence 20, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225.567A
; PRIOR FILING DATE: 2001-12-19
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: Patent version 3.1
; SEQ ID NO 20
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-20

Query Match 99.8%; Score 2287; DB 14; Length 440;
Best Local Similarity 99.8%; Pred. No. 1.3e-176;
Matches 439; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1 MVPEPGPTANSTPAWGAGPPSAPGSGWVAALCVVIALTAANSLLIALICTOPALRNT 60
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Db 61 SNFFLVSLFTSDLMVGLVMPAMNLYGRWLARGCLLWTAFAVDMCCSASILNLCI 120
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Db 121 SLDYLLILSPRYKRLMTPLRALALVLAWSLAALASFLPLLGHGELHARPPVPGQC 180
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Db 181 RLLASLPVLVAGSLTFPLPSGAICFTYCRILLAAKQAVQVVASLTGMSQASSETLQVP 240
Qy 241 RTRPGVESADSRRLATKHSRKALKAKLTGILGMEFFVTWLPFFVANIVQAVCDICSPG 300
Db 241 RTRPGVESADSRRLATKHSRKALKAKLTGILGMEFFVTWLPFFVANIVQAVCDICSPG 300
Qy 301 LFDVLTWLYCNSMTNPIIYPLFMRDKRALGRFLPCPCRCRERQASLASPSLRTSHSGP 360

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Db 361 RPLSLQOVLPLPLPPDSDDSDAGSGSSGLRLTAQLLLPGEATODPPLPTRAANAANVF 420
Qy 421 FNIDPAEPRLPHPLGIPTN 440
Db 421 FNIDPAEPRLPHPLGIPTN 440

RESULT 3
US-10-345-680-41
; Sequence 41, Application US/10345680
; Publication No. US20030148394A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Silos-Santiago, Inmaculada
; APPLICANT: Venkateswarlu, Karliceti
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: UROLOGICAL DISORDERS USING 1435, 559, 34021, 44099, 25278,
; TITLE OF INVENTION: 641, 260, 55089, 21407, 42032, 46656, 62553, 302, 323,
; TITLE OF INVENTION: 12303, 985, 13237, 13601, 18926, 318, 2058 OR 6351 MOLECULES.
; FILE REFERENCE: MPI02-012P1RNM OMNI
; CURRENT APPLICATION NUMBER: US/10/345.680
; CURRENT FILING DATE: 2003-01-16
; PRIOR APPLICATION NUMBER: US 60/349,511
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/360,500
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/365,041
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/374,063
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/403,468
; PRIOR FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: US 60/414,262
; PRIOR FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: US 60/419,986
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/423,809
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: US 60/429,797
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-345-680-41

Query Match 99.8%; Score 2287; DB 14; Length 440;
Best Local Similarity 99.8%; Pred. No. 1.3e-176;
Matches 439; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MVPEPGPTANSTPAWGAGPPSAPGSGWVAALCVVIALTAANSLLIALICTOPALRNT 60
Db 1 MVPEPGPTANSTPAWGAGPPSAPGSGWVAALCVVIALTAANSLLIALICTOPALRNT 60
Qy 61 SNFFLVSLFTSDLMVGLVMPAMNLYGRWLARGCLLWTAFAVDMCCSASILNLCI 120
Db 61 SNFFLVSLFTSDLMVGLVMPAMNLYGRWLARGCLLWTAFAVDMCCSASILNLCI 120
Qy 121 SLDYLLILSPRYKRLMTPLRALALVLAWSLAALASFLPLLGHGELHARPPVPGQC 180
Db 121 SLDYLLILSPRYKRLMTPLRALALVLAWSLAALASFLPLLGHGELHARPPVPGQC 180
Qy 181 RLLASLPVLVAGSLTFPLPSGAICFTYCRILLAAKQAVQVVASLTGMSQASSETLQVP 240
Db 181 RLLASLPVLVAGSLTFPLPSGAICFTYCRILLAAKQAVQVVASLTGMSQASSETLQVP 240
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Db 241 RTPRGVESADSRRLATKSKKALKASLTGILGGMFFVTWLPFFVANIVQAVCDICSPG 300
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Db 301 LFDVLTWLGVCNSTMNPPIIYPLFMRDFKRALGRFLPCPCPRERQASLASPSLRTSHSGP 360
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Db 421 FNIDPAPELRPHPLGIPTN 440

RESULT 4

US-09-829-631A-8

; Sequence 8, Application US/09829631A

; Patent No. US20020091235A1

; GENERAL INFORMATION:

; APPLICANT: Sibley, David R.

; APPLICANT: Monsma, Frederick J.

; APPLICANT: Hamblin, Mark

; TITLE OF INVENTION: The ST-B17 Serotonin Receptor

; FILE REFERENCE: NIH047.1CP1C1

; CURRENT APPLICATION NUMBER: US/09/829,631A

; CURRENT FILING DATE: 2001-04-10

; PRIOR APPLICATION NUMBER: US 08/428,242

; PRIOR FILING DATE: 1995-09-18

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 8

; LENGTH: 437

; TYPE: PRT

; ORGANISM: Rat

; US-09-829-631A-8

Query Match 82.9%; Score 1899.5; DB 9; Length 437;

Best Local Similarity 84.5%; Pred. No. 2.9e-145;

Matches 376; Conservative 11; Mismatches 45; Indels 13; Gaps 4;

Qy 1 MYPEPGTANSTPAWGAGPPSPAGSGWVAALCVVLTAAANSLLIATCTQPALRNT 60
Db 1 MYPEPGVNSSTPAWGPPPPAPGSGWVAALCVVLTAAANSLLIATCTQPAVRNT 60
Qy 61 SNFFLVSLFTSDLMVGLVMPAMNLYGRWVLRGLCLLTWTAQVDMCCSASILNLCI 120
Db 61 SNFFLVSLFTSDLMVGLVMPAMNLYGRWVLRGLCLLTWTAQVDMCCSASILNLCI 120
Qy 121 SLDRYLLILSPRYKLRMTPLRALALVIGWLSAALASFLPILGWHELGHARPPVPGQC 180
Db 121 SLDRYLLILSPRYKLRMTAPRALALVIGWLSAALASFLPILGWHELGHARPPVPGQC 180
Qy 181 RLLASLPFVLVASGLTFFLPSCAICFTYCRILLAAKQAVASLTGMAQASSETLQVP 240
Db 181 RLLASLPFVLVASGLTFFLPSCAICFTYCRILLAAKQAVASLTGMAQASSETLQVP 240
Qy 241 RTPRGVESADSRRLATKSKKALKASLTGILGGMFFVTWLPFFVANIVQAVCDICSPG 300
Db 241 RTPRGVESADSRRLATKSKKALKASLTGILGGMFFVTWLPFFVANIVQAVCDICSPG 300
Qy 301 LFDVLTWLGVCNSTMNPPIIYPLFMRDFKRALGRFLPCPCPRERQASLASPSLRTSHSGP 360
Db 301 LFDVLTWLGVCNSTMNPPIIYPLFMRDFKRALGRFLPCPCPRERQASLASPSLRTSHSGP 360
Qy 361 RPLGLSQQVLPFLPPDSDSDSDAGSGSGSLRLTAQLLLPGBATQDPLPTRAANAANF 420
Db 361 RPLGLSQQVLPFLPPDSDSDSDAGSGSGSLRLTAQLLLPGBATQDPLPTRAANAANF 420
Qy 421 FNIDPAPELRPHPLGIPTN 440
Db 421 FNIDPAPELRPHPLGIPTN 440
Qy 441 AAVNFFNIDPAPELRPHPLGIPTN 440
Db 441 TVNFFVTDSVEIRPHPLSSPVN 437

RESULT 5

US-09-829-631A-13

; Sequence 13, Application US/09829631A

; Patent No. US20020091235A1

; GENERAL INFORMATION:

; APPLICANT: Sibley, David R.

; APPLICANT: Monsma, Frederick J.

; APPLICANT: Hamblin, Mark

; TITLE OF INVENTION: The ST-B17 Serotonin Receptor

; FILE REFERENCE: NIH047.1CP1C1

; CURRENT APPLICATION NUMBER: US/09/829,631A

; CURRENT FILING DATE: 2001-04-10

; PRIOR APPLICATION NUMBER: US 08/428,242

; PRIOR FILING DATE: 1995-09-18

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 13

; LENGTH: 439

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (1)...(439)

; OTHER INFORMATION: Xaa = Any Amino Acid

; US-09-829-631A-13

Query Match 77.2%; Score 1768.5; DB 9; Length 439;

Best Local Similarity 77.6%; Pred. No. 1.2e-134;

Matches 356; Conservative 8; Mismatches 56; Indels 39; Gaps 4;

Qy 1 MYPEPGTANSTPAWGAGPPSPAGSGWVAALCVVLTAAANSLLIATCTQPALRNT 60
Db 1 MYPEPGTANSTPAWGAGARXX-GGSGWVAAGLCVVLTAAANSLLIATCTQPALRNT 59
Qy 61 SNFFLVSLFTSDLMVGLVMPAMNLYGRWVLRGLCLLTWTAQVDMCCSASILNLCI 120
Db 60 SNFFLVSLFTSDLMVGLVMPAMNLYGRWVLRGLCLLTWTAQVDMCCSASILNLCI 119
Qy 121 SLDRYLLILSPRYKLRMTPLRALALVIGWLSAALASFLPILGWHELGHARPPVPGQC 180
Db 120 SLDRYLLILSPRYKLRMTPLRALALVIGWLSAALASFLPILGWHELGHARPPVPGQC 179
Qy 181 RLLASLPFVLVASGLTFFLPSCAICFTYCRILLAAKQAVASLTGMAQASSETLQVP 240
Db 180 RLLASLPFVLVASGLTFFLPSCAICFTYCRILLAAKQAVASLTGMAQASSETLQVP 239
Qy 241 RTPRGVESADSRRLATKSKKALKASLTGILGGMFFVTWLPFFVANIVQAVCDICSPG 300
Db 240 RSPAGVESADSRRLATKSKKALKASLTGILGGMFFVTWLPFFVANIVQAVCDICSPG 299
Qy 301 LFDVLTWLGVCNSTMNPPIIYPLFMRDFKRALGRFLPCPCPRERQASLASPSLRTSHSGP 360
Db 300 LFDVLTWLGVCNSTMNPPIIYPLFMRDFKRALGRFLPCPCPRE-----P 343
Qy 361 RPLGLSQQVLPFLPPD-----SDSDSDAGSGSGSLRLTAQLLLP 401
Db 344 RPWPRHHHCAPLTAAPGAPALAYSRCCPCRRCTQIRTTQAAAPRACGSRPSCFLARP 403
Qy 402 CEATQDPLPTRAANAANFNIDPAPELRPHPLGIPTN 440
Db 404 PRTPRCPGPPPPSPIS----STSXPAPELRPHPLGIPTN 439

RESULT 6

US-09-829-631A-10

; Sequence 10, Application US/09829631A

; Patent No. US20020091235A1

; GENERAL INFORMATION:

; APPLICANT: Sibley, David R.

; APPLICANT: Monsma, Frederick J.

; APPLICANT: Hamblin, Mark

```
; TITLE OF INVENTION: The ST-B17 Serotonin Receptor
; FILE REFERENCE: NIH047.1CP1C1
; CURRENT APPLICATION NUMBER: US/09/829,631A
; PRIOR FILING DATE: 2001-04-10
; PRIOR FILING DATE: 2001-04-10
; PRIOR FILING DATE: 1995-09-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 291
; TYPE: PRT
; ORGANISM: Rat
US-09-829-631A-10

Query Match          60.5%; Score 1387; DB 9; Length 291;
Best Local Similarity 92.8%; Pred. No. 5.1e-104; Indels 0; Gaps 0;
Matches 270; Conservative 5; Mismatches 16;

QY 1 MVPEFGPTANSTPAWGAGPPSPAGSGWVAALCVVIALTAANSLIALLICTQPALRNT 60
DB 1 MVPEFGPVNSTPAWGAGPPSPAGSGWVAALCVVIALTAANSLIALLICTQPAVRNT 60
QY 61 SNFPLVSLFTSDLMVGLVMPVPPAMNLYGRWVLARGCLLTAFDVMCCSASILNLCII 120
DB 61 SNFPLVSLFTSDLMVGLVMPVPPAMNLYGRWVLARGCLLTAFDVMCCSASILNLCII 120
QY 121 SLDRYLLILSPRYKLRMTPLRALALVGLAWSLAALASFLPLLLGWHELGHARPPVPGQC 180
DB 121 SLDRYLLILSPRYKLRMTAPRALALILGWSLAALASFLPLLLGWHELGHKARTAPGQC 180
QY 181 RLILASLPFLVVASGLTFPLPSGATCFYTCRILLAAKQAVQVASTLTGMASQASSETLOVP 240
DB 181 RLILASLPFLVVASGLTFPLPSGATCFYTCRILLAAKQAVQVASTLTGTAGQALETLQVP 240
QY 241 RTPRGVESADSRRLATKHSRKALKAKLTIGLLGMFFVTWLPFFVFVANIVQ 291
DB 241 RTPRGVESADSRRLATKHSRKALKASLTIGLLGMFFVTWLPFFVFVANIAQ 291

RESULT 7
US-10-225-567A-50
; Sequence 50, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; PRIOR FILING DATE: 2001-12-19
; PRIOR FILING DATE: 2001-12-19
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-50

Query Match          24.3%; Score 557; DB 14; Length 477;
Best Local Similarity 33.8%; Pred. No. 1.3e-36;
Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;

QY 1 MVPEFGPTANSTPAWGAGPPSPAGSGWVAALCVVIALTAANSLIALLICTQPALRNT 60
DB 33 LVPAASPASLLPPASEPFLPSQWTAGMGLLVALLVAGNVLVIAIKTPRLQTL 92
QY 61 SNFPLVSLFTSDLMVGLVMPVPPAMNLYGRWVLARGCLLTAFDVMCCSASILNLCII 120
DB 93 TNLFLIMSLAGADLVNGLLVVFPFGATIVVMGRWGEYSPFCELTWTSVDVLCVTASITLCVI 152

; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 716
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-295-027-716

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Query Match      24.3%; Score 557; DB 15; Length 477;
Best Local Similarity 33.8%; Pred. No. 1.3e-36;
Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;

QY 1 MVEPGPTANSTPAWGAGPPSAPGSGWVAALCVVIALTAANSLLIALICTOPALRNT 60
DB 33 LVFASPPASLLPPASESPEPLSQQWTAGMGLMALIVLVAGNVIVVAIAKTPRLQTL 92
QY 61 SNFVLVSFTSDLMVGLVMPAMLNALYGRVWLARGCLLMTAFDVMCCSASILNLCIL 120
DB 93 TNLFTMSLASADLVWGLLVVPGFATIVVWGRWEGSFCELTWTSVDVLCVTASIELCVI 152
QY 121 SLDRYLLILSPRYKLRMTPLRALALVGLANSLAALASFLPLLGLW--HELGHARPPV-- 176
DB 153 ALDRYLAITSFRYQSLLTRARAGLVCTVWAIASLVSLFLMHWRAESDEARRCYND 212
QY 177 PQCRLLASLPFLVWASGLTFPLPSGAICFTYCRILLAAKQAOVVAS----LTTGMSAQ 232
DB 213 PKCDDFVNRAVATASSVVSFVPLCINAFVYLVRFAKQVKKIDSCERFLGGPARP 272
QY 233 ASET-----LQVPTPRPGVESADS-----RELATKHSRKALKAKLTILGIL 273
DB 273 PSPSPVPAPAPPPEPPRPAATAAPLANGRAGRPRPSRLVALRQKALK---TLGII 329
QY 274 LGMFFVTWLPFFVANIVQAV--CDCISPGLFVLTWLGVCNSTMNPITY--PFLMRDPR 329
DB 330 MGVTFLCWLPFFLANVKAHRELVPDLRFVFNWLGYSANAFNPIYCRSP----DFRK 385
QY 330 ALGRFLPCPRCPREQAASPSLRTSHSGPRPGLSQOVLPLPLP--PDSDSDSAGSGG 388
DB 386 AFQGLLCARRAARRRHATHGDRPRASGLARPG-----PPSPGAASDDDDDDVVGA 438
QY 389 SSGRL 394
DB 439 TTPARL 444
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RESULT 9

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US-10-295-027-885
; Sequence 885, Application US/10295027
; Publication No. US2003023250A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 60/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
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; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 885
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; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-295-027-885
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Query Match      24.3%; Score 557; DB 15; Length 477;
Best Local Similarity 33.8%; Pred. No. 1.3e-36;
Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;
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QY 1 MVEPGPTANSTPAWGAGPPSAPGSGWVAALCVVIALTAANSLLIALICTOPALRNT 60
DB 33 LVFASPPASLLPPASESPEPLSQQWTAGMGLMALIVLVAGNVIVVAIAKTPRLQTL 92
QY 61 SNFVLVSFTSDLMVGLVMPAMLNALYGRVWLARGCLLMTAFDVMCCSASILNLCIL 120
DB 93 TNLFTMSLASADLVWGLLVVPGFATIVVWGRWEGSFCELTWTSVDVLCVTASIELCVI 152
QY 121 SLDRYLLILSPRYKLRMTPLRALALVGLANSLAALASFLPLLGLW--HELGHARPPV-- 176
DB 153 ALDRYLAITSFRYQSLLTRARAGLVCTVWAIASLVSLFLMHWRAESDEARRCYND 212
QY 177 PQCRLLASLPFLVWASGLTFPLPSGAICFTYCRILLAAKQAOVVAS----LTTGMSAQ 232
DB 213 PKCDDFVNRAVATASSVVSFVPLCINAFVYLVRFAKQVKKIDSCERFLGGPARP 272
QY 233 ASET-----LQVPTPRPGVESADS-----RELATKHSRKALKAKLTILGIL 273
DB 273 PSPSPVPAPAPPPEPPRPAATAAPLANGRAGRPRPSRLVALRQKALK---TLGII 329
QY 274 LGMFFVTWLPFFVANIVQAV--CDCISPGLFVLTWLGVCNSTMNPITY--PFLMRDPR 329
DB 330 MGVTFLCWLPFFLANVKAHRELVPDLRFVFNWLGYSANAFNPIYCRSP----DFRK 385
QY 330 ALGRFLPCPRCPREQAASPSLRTSHSGPRPGLSQOVLPLPLP--PDSDSDSAGSGG 388
DB 386 AFQGLLCARRAARRRHATHGDRPRASGLARPG-----PPSPGAASDDDDDDVVGA 438
QY 389 SSGRL 394
DB 439 TTPARL 444
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RESULT 10

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US-09-988-745-9
; Sequence 9, Application US/09988745
; Publication No. US20020086362A1
; GENERAL INFORMATION:
; APPLICANT: LI, Yi and RUBEN, Steven
; TITLE OF INVENTION: HUMAN AMINE RECEPTOR
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN AND FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
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[illegible]

Db 183 AQECHSNPRC---CSFASNMPYALLSSVSFVPLPLVLMFYVAVFVVAKEQR-HLLRRE 238
QY 227 TGMASQASSETLQVPTPRP-----GVESADSR--RLATKHSRKALKAKLTGLILL 274
Db 239 LGRFSPESPSRSPSPATGTPAADPGVPPCGRRPARLLPRLREHRLAR---TLGLIM 295
QY 275 GMFFVTWLPFFVAVIVQAVC--DCISPGFLFDVLTWLGVCNSTMNPIIY--J-PLFWRDPFKR 329
Db 296 GIFSLCMLPFFLANVLRALAGSLVPSGVFIALNWLGVANSFNPVVICRSPDFRDAFR 355
QY 330 AL-----GRFLPCPRC---PRRQASLASPSLR--TSHSGPRP 362
Db 356 LLCSYGGRGPEEPRAVTTFASVEARQSPPLNRPFDGYEGARP 397

RESULT 13

US-10-225-567A-98
; Sequence 98, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 98
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-98

Query Match 24.1%; Score 552.5; DB 14; Length 446;
Best Local Similarity 31.2%; Pred. No. 2.8e-36;
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;
QY 21 SAPGSGWV-----AAALCVIALTAANSLIALICTQPALRN-TSNFFLVSL 68
Db 7 SAMDGTGLWVERDFSVRIITACFLSLLILSTLGNLTVCAAVIRPHLSKVTNFFVISL 66
QY 69 FTSDLMVGLVMPPPAMNLYGRWVLRGLCLLTWTFADVMCCSASILNCLISLDRIYLI 128
Db 67 AVSDLLVAVLWMPKAVAEIAGFWPFG-SFCNIWVAFDIMGSTASILNLCVISVDRIYAI 125
QY 129 LSPRYKLRMTPLRALALVGLAWSLAALASFLPLLGHGHELGHARPPVPG----- 178
Db 126 SSPFRYERKMTPKAAFILISVAVTLISVLPVQLSWHK---AKTSPSDGNATSLAET 182
QY 179 --QCRLLASLPVLVAGLTFLPSGALCTFYCRILLAAKQAVQVVASL-TTGMAQASE 235
Db 183 IDNCDSLSRTVAISSVISFVPIVAMIVTVTRYIAQKQIRRIALERAHAHAKNQ 242
QY 236 TLQVPRTPRGVESADSRRLATKHSRKALKAKLTGLILLGMFFVTWLPFFVAVIQAQVCD 295
Db 243 TTTGNGKPECSQPESSFKMSFKRETQVLK---TSLVIMGVFCVCCWLPFFILNCILPFCG 299
QY 296 -----CISPGFLFDVLTWLGVCNSTMNPIIYPLFMRDFKRALGRFLPCPR-CPRERQA- 346
Db 300 SGETQFFCIDSNTFDVFWFGWANSLSNPIIY-AFNADFRKAFSTLLGCYRLCPATNNAI 358
QY 347 ----SLASPSLRTSHSGRPGLSLQVLPPLPPDSDSAGSGSGSLRLTAQLLLP 401
Db 359 ETVSINNGAAMFSSHHPRGSIKSCNLYVLIPIHVAVGSSDLKKEAAGIARPLEKLP 418
QY 402 GEATQDPPLPTAAAAVNFNIDPAEPLRP-----HP 434

RESULT 15

US-10-299-642-4
; Sequence 4, Application US/10299642
; Publication No. US20030170741A1
; GENERAL INFORMATION:
; APPLICANT: The Procter & Gamble Company
; APPLICANT: Isfort, Robert
; TITLE OF INVENTION: Methods for Identifying Compounds for Regulation Muscle Mass
; FILE REFERENCE: 8448M
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIOR APPLICATION NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-299-642-2

Db 419 -----ALSVIDYDVTDSLEKIQTQNGQHP 445

RESULT 14

US-10-299-642-2
; Sequence 2, Application US/10299642
; Publication No. US20030170741A1
; GENERAL INFORMATION:
; APPLICANT: The Procter & Gamble Company
; APPLICANT: Isfort, Robert
; APPLICANT: Sheldon, Russell
; TITLE OF INVENTION: Methods for Identifying Compounds for Regulation Muscle Mass
; FILE REFERENCE: 8448M
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIOR APPLICATION NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-299-642-2

Query Match 24.1%; Score 552.5; DB 14; Length 446;
Best Local Similarity 31.2%; Pred. No. 2.8e-36;
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;
QY 21 SAPGSGWV-----AAALCVIALTAANSLIALICTQPALRN-TSNFFLVSL 68
Db 7 SAMDGTGLWVERDFSVRIITACFLSLLILSTLGNLTVCAAVIRPHLSKVTNFFVISL 66
QY 69 FTSDLMVGLVMPPPAMNLYGRWVLRGLCLLTWTFADVMCCSASILNCLISLDRIYLI 128
Db 67 AVSDLLVAVLWMPKAVAEIAGFWPFG-SFCNIWVAFDIMGSTASILNLCVISVDRIYAI 125
QY 129 LSPRYKLRMTPLRALALVGLAWSLAALASFLPLLGHGHELGHARPPVPG----- 178
Db 126 SSPFRYERKMTPKAAFILISVAVTLISVLPVQLSWHK---AKTSPSDGNATSLAET 182
QY 179 --QCRLLASLPVLVAGLTFLPSGALCTFYCRILLAAKQAVQVVASL-TTGMAQASE 235
Db 183 IDNCDSLSRTVAISSVISFVPIVAMIVTVTRYIAQKQIRRIALERAHAHAKNQ 242
QY 236 TLQVPRTPRGVESADSRRLATKHSRKALKAKLTGLILLGMFFVTWLPFFVAVIQAQVCD 295
Db 243 TTTGNGKPECSQPESSFKMSFKRETQVLK---TSLVIMGVFCVCCWLPFFILNCILPFCG 299
QY 296 -----CISPGFLFDVLTWLGVCNSTMNPIIYPLFMRDFKRALGRFLPCPR-CPRERQA- 346
Db 300 SGETQFFCIDSNTFDVFWFGWANSLSNPIIY-AFNADFRKAFSTLLGCYRLCPATNNAI 358
QY 347 ----SLASPSLRTSHSGRPGLSLQVLPPLPPDSDSAGSGSGSLRLTAQLLLP 401
Db 359 ETVSINNGAAMFSSHHPRGSIKSCNLYVLIPIHVAVGSSDLKKEAAGIARPLEKLP 418
QY 402 GEATQDPPLPTAAAAVNFNIDPAEPLRP-----HP 434
Db 419 -----ALSVIDYDVTDSLEKIQTQNGQHP 445

RESULT 15

US-10-299-642-4
; Sequence 4, Application US/10299642
; Publication No. US20030170741A1
; GENERAL INFORMATION:
; APPLICANT: The Procter & Gamble Company
; APPLICANT: Isfort, Robert
; TITLE OF INVENTION: Methods for Identifying Compounds for Regulation Muscle Mass
; FILE REFERENCE: 8448M
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIOR APPLICATION NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-299-642-2

